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Ohio State Engineer

Title: Design Features in New Machines

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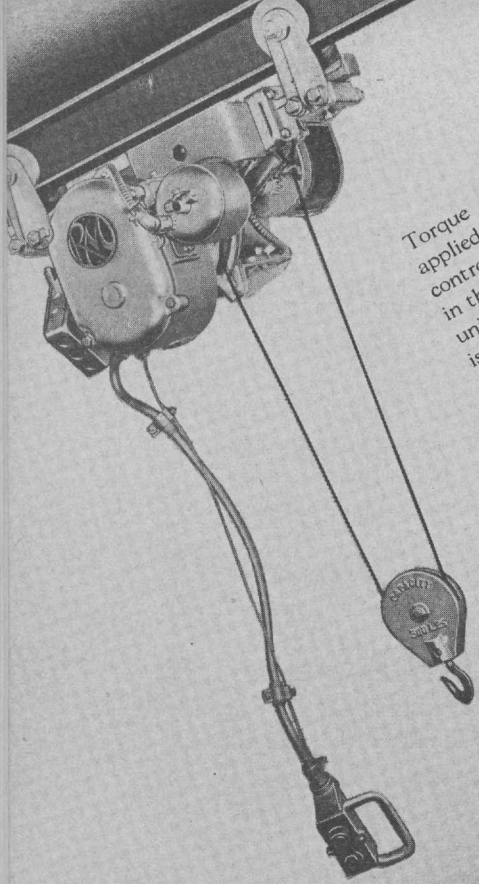
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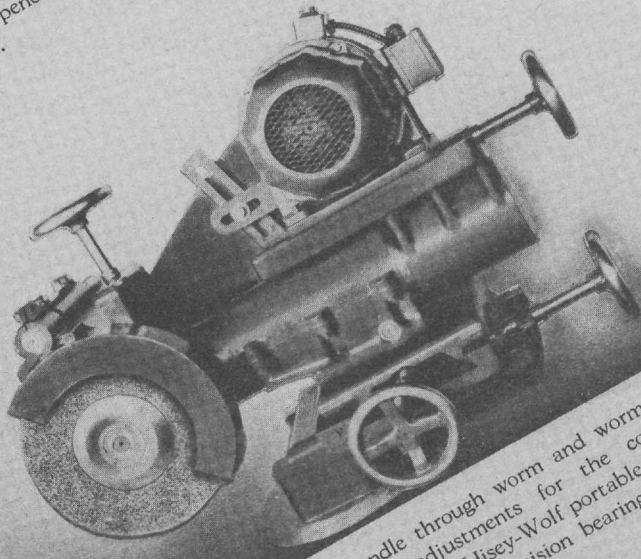
Abstract: A Pictorial Presentation of Recent Machinery from the Standpoint of Design.

URI: <http://hdl.handle.net/1811/35269>

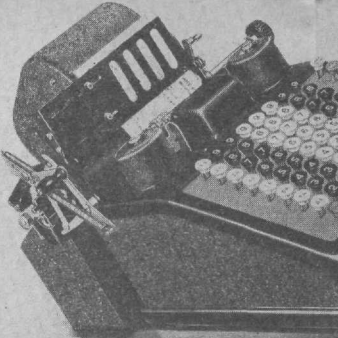
Appears in Collections: [Ohio State Engineer: Volume 19, no. 4 \(February, 1936\)](#)



Torque motors are being applied as means of operating controllers for electric hoists in the new Robbins & Myers units. The drum controller is the same as used for pendant rope construction.



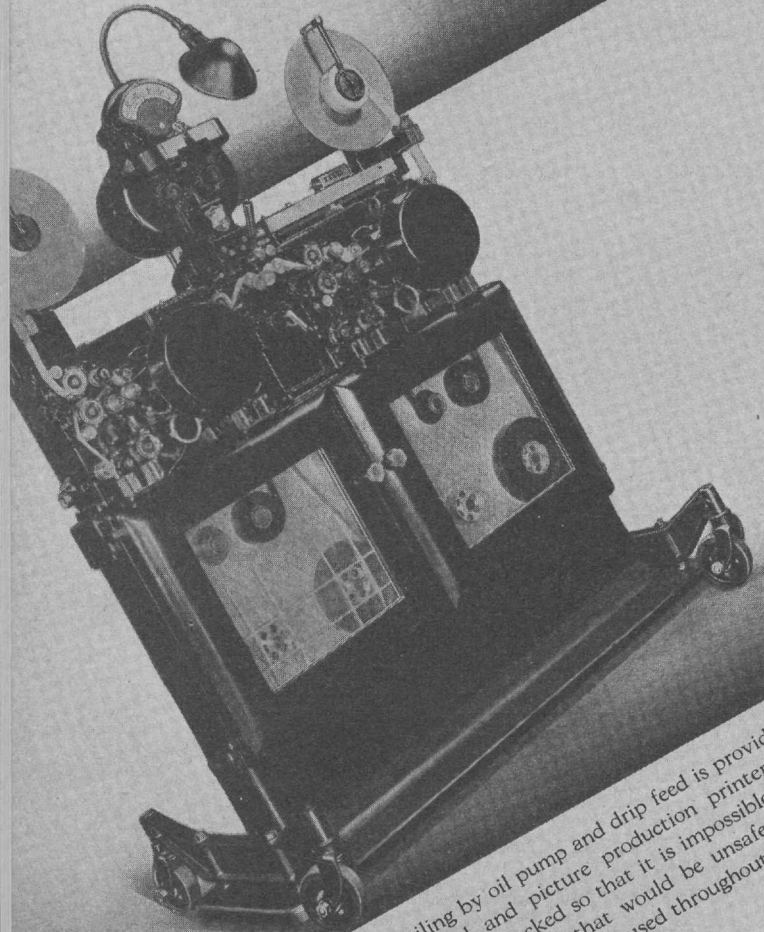
The crank handle through worm and worm gear affords angular adjustments for the complete grinding head on new Hisey-Wolf portable grinder. Unit is equipped with precision bearings.



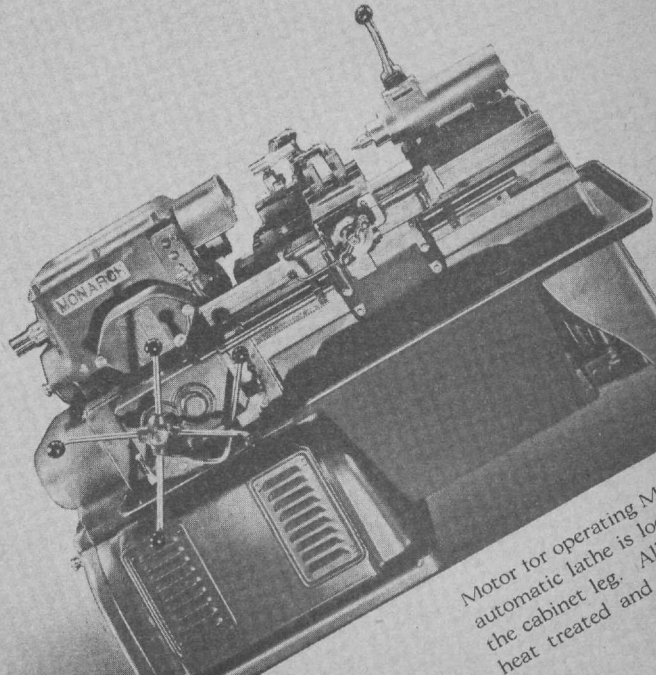
Automatic accounting machine of the day is available from Burroughs. Records are kept.

Design Features in New Machines

A Pictorial Presentation of Recent Machinery
from the Standpoint of Design.

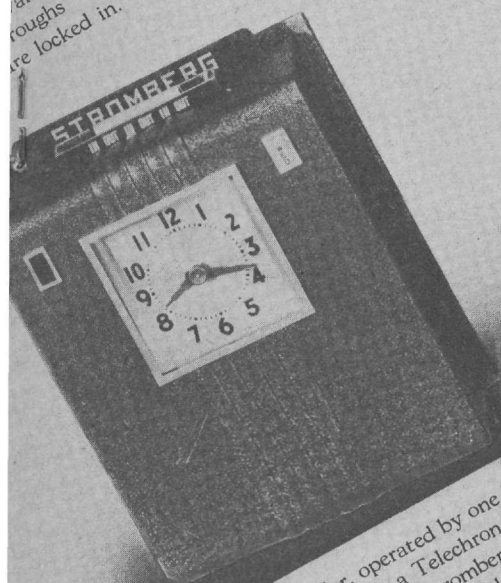


Fully automatic oiling by oil pump and drip feed is provided on Bell & Howell sound and picture production printer. The complete machine is interlocked so that it is impossible to start the machine under conditions that would be unsafe or would waste film. A positive gear drive is used throughout.

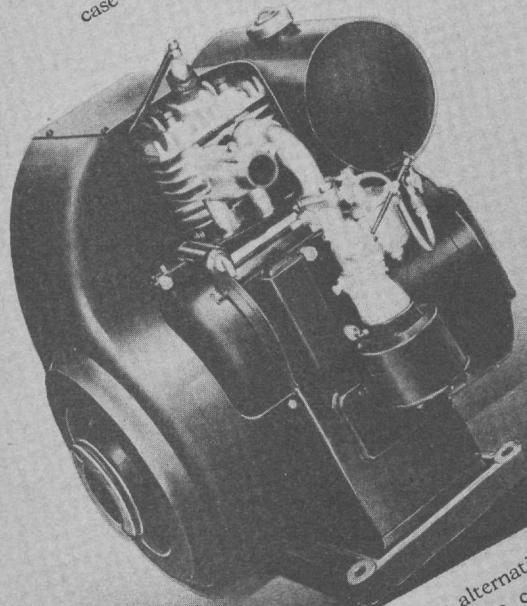


Motor for operating Monarch automatic lathe is located in the cabinet leg. All steel heat treated and hardened.

accumulation of the cash total for
available with one punch of the key
roughs bill receiving machine.
are locked in.



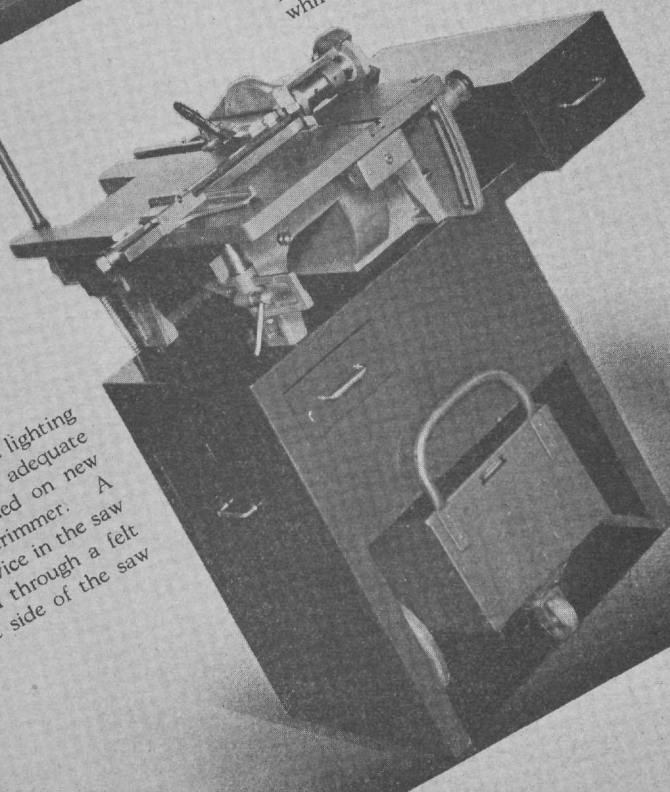
A time recorder, operated by one hand
and equipped with a Telechron motor
is a development of Stromberg. The
case is styled by Wilbur Adams.



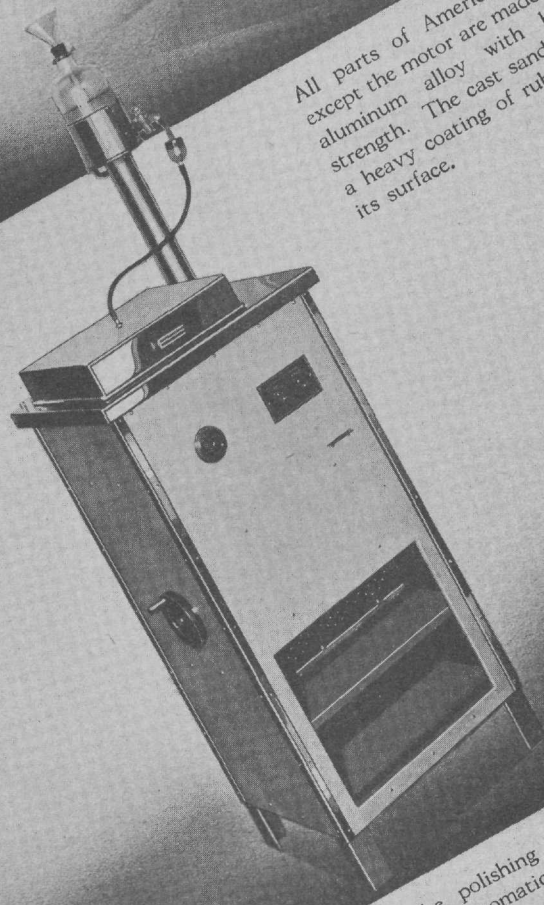
Generators on Onan alternating current
electric light plants are connected to
the motor by rubber bushings inserted
in the flywheel. Rubber mountings be-
neath the generator are also an integral
part of the design.

March semi-
ated inside of
steel parts are
hardened.

Universal adjustable lighting
fixture provides adequate
light where needed on new
C & G saw trimmer. A
lubricating device in the saw
arm feeds oil through a felt
wick to the side of the saw
blade.



All parts of American floor sander
except the motor are made of a special
aluminum alloy with high tensile
strength. The cast sanding drum has
a heavy coating of rubber bonded to
its surface.



Speed of the polishing plate in
Guthrie-Leitz automatic magnetic
polishing machine can be changed
while the machine is in action.

